

Title (en)

BOEHMITE STRUCTURE AND METHOD FOR PRODUCING SAME

Title (de)

BÖHMITSTRUKTUR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

STRUCTURE DE BOEHMITE ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 3974386 A4 20220727 (EN)

Application

EP 20810497 A 20200417

Priority

- JP 2019094630 A 20190520
- JP 2019197102 A 20191030
- JP 2020016932 W 20200417

Abstract (en)

[origin: EP3974386A1] A boehmite structure (1) includes a plurality of boehmite particles (2) where adjacent boehmite particles (2) are bonded to each other. The boehmite structure (1) has a porosity of 30% or less. A method of producing a boehmite structure includes obtaining a mixture by mixing hydraulic alumina with a solvent including water, and pressurizing and heating the mixture under a condition of a pressure of 10 to 600 MPa and a temperature of 50 to 300 °C.

IPC 8 full level

C01F 7/025 (2022.01); **C01F 7/448** (2022.01); **C01F 7/441** (2022.01); **C04B 28/06** (2006.01); **C04B 35/10** (2006.01); **C04B 35/111** (2006.01); **C04B 38/00** (2006.01)

CPC (source: EP US)

C01F 7/025 (2013.01 - EP); **C01F 7/441** (2013.01 - EP); **C01F 7/448** (2013.01 - US); **C04B 28/005** (2013.01 - EP); **C04B 35/10** (2013.01 - EP); **C04B 35/111** (2013.01 - EP); **C04B 38/00** (2013.01 - EP); **C01P 2002/30** (2013.01 - US); **C01P 2002/70** (2013.01 - US); **C01P 2002/72** (2013.01 - EP); **C01P 2004/03** (2013.01 - EP); **C01P 2004/61** (2013.01 - US); **C01P 2006/14** (2013.01 - EP); **C01P 2006/16** (2013.01 - EP US); **C01P 2006/60** (2013.01 - EP US); **C04B 2111/20** (2013.01 - EP); **C04B 2111/28** (2013.01 - EP); **C04B 2111/40** (2013.01 - EP); **C04B 2235/3218** (2013.01 - EP); **C04B 2235/77** (2013.01 - EP)

C-Set (source: EP)

1. **C04B 28/005 + C04B 22/06 + C04B 40/0259 + C04B 40/0263**
2. **C04B 38/00 + C04B 35/10 + C04B 35/111 + C04B 38/0074**

Citation (search report)

No further relevant documents disclosed

Cited by

EP4129900A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3974386 A1 20220330; EP 3974386 A4 20220727; CN 113840804 A 20211224; CN 113840804 B 20240524; JP 7289109 B2 20230609; JP WO2020235277 A1 20201126; US 2022212943 A1 20220707; WO 2020235277 A1 20201126

DOCDB simple family (application)

EP 20810497 A 20200417; CN 202080037214 A 20200417; JP 2020016932 W 20200417; JP 2021520660 A 20200417; US 202017612264 A 20200417